AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A system-on-panel typed liquid crystal display, formed by [[the]] a method comprising:

providing a substrate including at least first, second and third regions;

forming a pixel array directly on the substrate in the first region;

~~forming~~ depositing and crystallizing amorphous silicon on the substrate to form a driver directly on the substrate in the second region; and

~~forming~~ depositing and crystallizing amorphous silicon on the substrate to form a control unit directly on the substrate in the third region~~, wherein the control unit includes switching devices having at least one active layer; and~~,

wherein the pixel array, driver and control unit are formed simultaneously.

2. (Currently Amended) The system-on-panel typed liquid crystal display of claim 1, wherein the ~~active layer of~~ the control unit includes an active layer [[is]] formed of single crystalline silicon.

3. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the pixel array has an active layer formed on single crystalline silicon.

4. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the driver has an active layer formed of polycrystalline silicon.

5. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the pixel array has an active layer formed of polycrystalline silicon.

6. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the pixel array has an active layer formed of amorphous silicon.

7. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the control unit includes a central processing unit.

8. (Original) The system-on-panel typed liquid crystal display of claim 1, wherein the driver has an active layer formed of single crystalline silicon.

9. (Currently Amended) A system-on-panel typed liquid crystal display, formed by [[the]] a method comprising:

providing a substrate including at least first, second and third regions;

forming a pixel array directly on the substrate in the first region;

~~forming~~ depositing and crystallizing amorphous silicon on the substrate to form a driver directly on the substrate in the second region; and

~~forming~~ depositing and crystallizing single crystalline silicon on the substrate to form a control unit directly on the substrate in the third region, ~~wherein the control unit includes switching devices having at least one active layer formed of single crystalline silicon; and,~~

wherein the pixel array, driver and control unit are formed simultaneously.

10. (Original) The system-on-panel typed liquid crystal display of claim 9, wherein the control unit includes a central processing unit.

11. (Original) The system-on-panel typed liquid crystal display of claim 9, wherein the pixel array has an active layer formed of single crystalline silicon.

12. (Original) The system-on-panel typed liquid crystal display of claim 9, wherein the driver has an active layer formed of polycrystalline silicon.

13. (Original) The system-on-panel typed liquid crystal display of claim 9, wherein the pixel array has an active layer formed of polycrystalline silicon.

14. (Original) The system-on-panel typed liquid crystal display of claim 9, wherein the pixel array has an active layer formed of amorphous silicon.

15. (Original) The system-on-panel typed liquid crystal display of claim 11, wherein the driver has an active layer formed of polycrystalline silicon.

16. (Original) The system-on-panel typed liquid crystal display of claim 13, wherein the driver has an active layer formed of polycrystalline silicon.

17. (Original) The system-on-panel typed liquid crystal display of claim 14, wherein the driver has an active layer formed of polycrystalline silicon.

18. (Original) The system-on-panel typed liquid crystal display of claim 14, wherein the driver has an active layer formed of single crystalline silicon.

19. (Currently Amended) A system-on-panel liquid crystal display, formed by the method comprising:

providing a substrate including at least first, second and third regions;

forming a pixel array directly on the substrate at the first region, the pixel array having an active layer including amorphous silicon deposited on the substrate;

forming a driver directly on the substrate at the second region, the driver having an active layer including polysilicon or single crystalline silicon deposited on the substrate; and

forming a control unit directly on the substrate at the third region, the control unit having an active layer including polysilicon or single crystalline silicon deposited on the substrate, wherein the control unit includes switching devices having at least one active layer~~,; and~~

wherein the pixel array, driver and control unit are formed simultaneously on the substrate.

20. (Previously Presented) A system-on-panel liquid crystal display according to claim 19, wherein the pixel array active layer further includes polysilicon or single crystalline silicon.

21. (Currently amended) A system-on-panel liquid crystal display, formed by the method comprising:

providing a substrate including at least first, second and third regions;

forming a pixel array directly on the substrate at the first region, the pixel array having an active layer including amorphous silicon deposited on the substrate;

forming a driver directly on the substrate at the second region, the driver having an active layer including polysilicon or single crystalline silicon deposited on the substrate; and

forming a control unit directly on the substrate at the third region, wherein the control unit includes switching devices having at least one active layer formed of single crystalline silicon; ~~and~~,

wherein the pixel array, driver and control unit are formed simultaneously on the substrate.

22. (Previously Presented) A system-on-panel liquid crystal display according to claim 21, wherein the pixel array active layer further includes polysilicon or single crystalline silicon.

23. (Previously Presented) The system-on-panel typed liquid crystal display according to claim 1, wherein the substrate includes glass.

24. (Previously Presented) The system-on-panel typed liquid crystal display according to claim 9, wherein the substrate includes glass.

25. (Previously Presented) The system-on-panel typed liquid crystal display according to claim 19, wherein the substrate includes glass.

26. (Previously Presented) The system-on-panel typed liquid crystal display according to claim 21, wherein the substrate includes glass.